

## **OSIRIS Release Notes Version 2.10.3**

### **Bug fixes in OSIRIS Version 2.10.3**

Version 2.10.3 is a bug-fix release. Versions 2.9.1 to 2.10.2 have bugs that prevent the Enhanced Shoulder-Fitting Algorithm setting from reliably working in all cases.

### **Bug fixes**

1. Fixed a bug that in the extremely rare case of an allele peak followed by a very large negative spike with no intervening artifacts or peaks below analysis threshold, the allele peak might not be fit, and would not be called. This bug affected all versions.
2. Fixed an extremely rare bug that could cause all the alleles in one or more loci in a channel to not be called if the enhanced shoulder algorithm was selected.
3. Fixed a bug in the enhanced shoulder algorithm that could prevent some small shoulder peaks from being identified. This improves the performance of the enhanced shoulder algorithm.